

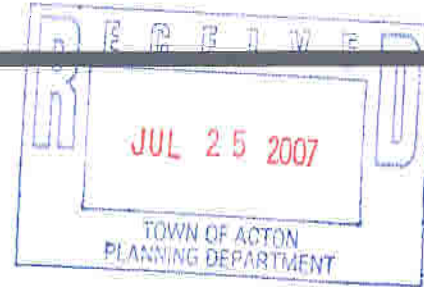


Wright-Pierce

FYI

July 24, 2007

W-P Project No. 10498B



Mr. Roland Bartl, Town Planner
Planning Department
Town Hall
472 Main Street
Acton, MA 01720

Subject: Acton Water District - Kennedy and Marshall Wells
Water Treatment Plant

Dear Mr. Bartl:

As per our recent discussion, Wright-Pierce is working with the Acton Water District in designing a Water Treatment Plant for the Kennedy and Marshall Wells located along Route 27 in North Acton. As per your request, we are writing to you for a determination of the involvement that the Planning Department may require on this project.

The Acton Water District operates and maintains several wells and wellfields throughout the Town of Acton, including the four Kennedy Wells and the Marshall Wellfield. These sources of drinking water are very important to the District in supplying drinking water and fire protection to the citizens of Acton.

Over time, the raw water of the Kennedy and Marshall sources have experienced elevated levels of naturally occurring iron, manganese, and color. In order to reliably continue to deliver high quality water to its customers, the Acton Water District is proceeding with the design and construction of a water treatment facility for these sources.

The treatment system will include construction of a new building with approximate dimensions of 70-feet by 100-feet. The building will house the treatment equipment to remove the naturally occurring iron, manganese, and color which includes equalization tanks, ultrafiltration membrane filter system, chemical storage and feed systems, membrane cleaning system, wash water holding tanks and pumping systems. The treatment system will also include an aeration tower (similar to the existing tower currently at the existing Kennedy Well building).

The proposed building will be located on the Acton Water District's property at the existing Kennedy Well site northwest of the existing well building. The building will be located approximately 500-feet from Route 27 and be located within the vegetated area for a buffer (refer to the enclosed figure showing an aerial view of the site and surrounding area). The site contains wetland resources and is partially in the 100-year flood plain. Our proposed design will minimize impacts to these resources, and we will be working with the Acton Conservation Commission to obtain the appropriate permits for the project. We are also working with the

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Massachusetts Department of Environmental Protection to satisfy their requirements for the treatment facility.

Since the Marshall Wellfield is located on the southeast side of Route 27, a new pipe line connecting the pumping facility to the new treatment building will be constructed. The new pipe line will be constructed using directional drilling methods that eliminate the need for cutting any trenches across Route 27 and the railroad right-of-way.

At this time, we are requesting input from you as to any submittal requirements of the Planning Department for this project. We are available to meet with you to discuss any aspect of this project. Should you have any questions or comments related to this request, please do not hesitate to give me or Peter Quern a call.

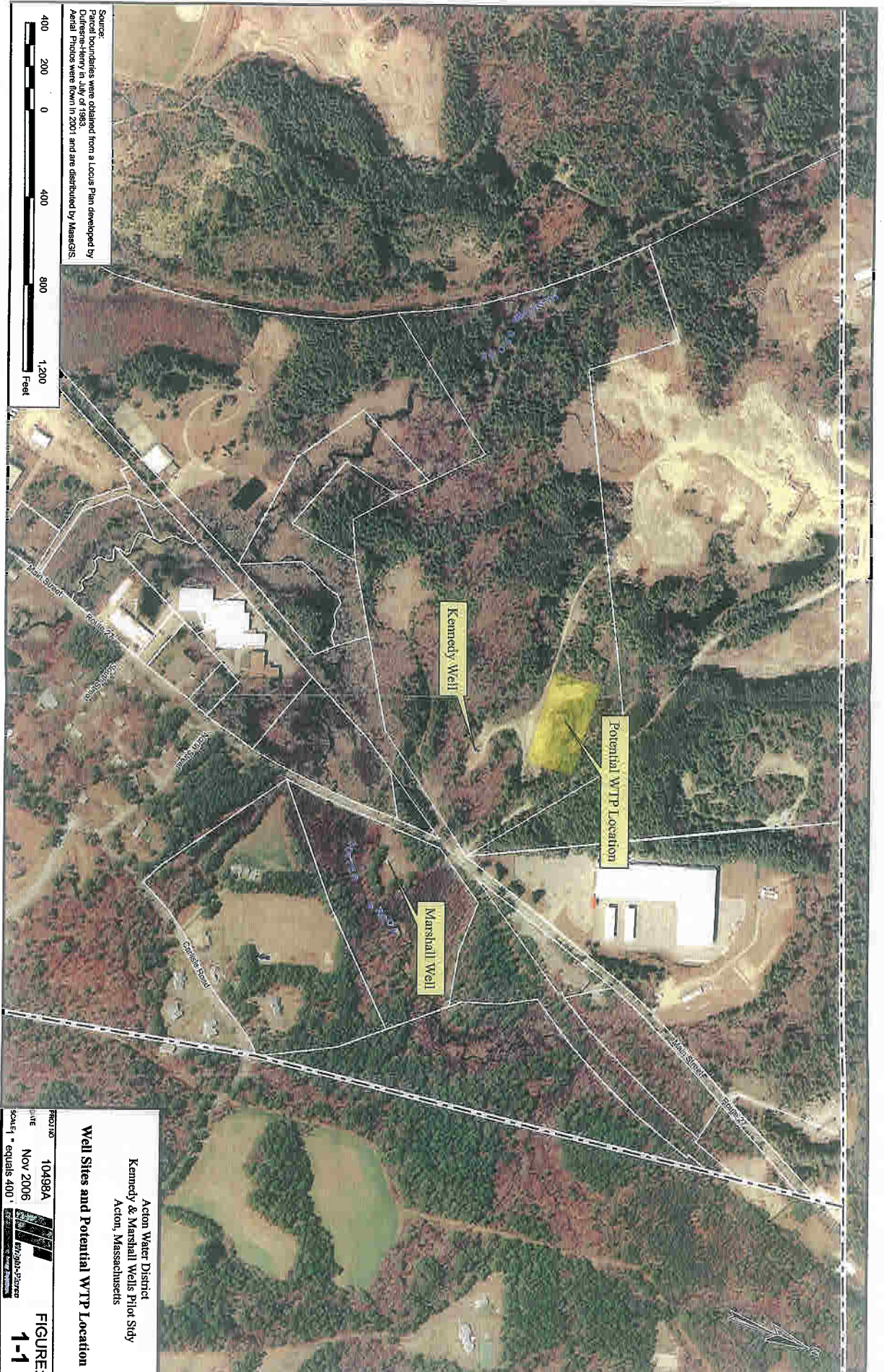
Sincerely,

WRIGHT-PIERCE



Richard G. Protasowicki, P.E.
Project Manager

Encl.



Source:
Parcel boundaries were obtained from a Locus Plan developed by
Dufresne-Henry in July of 1983.
Aerial Photos were flown in 2001 and are distributed by MassGIS.



Acton Water District
Kennedy & Marshall Wells Pilot Study
Acton, Massachusetts

Well Sites and Potential WTP Location

PROJECT NO: 10498A
DATE: NOV 2006
SCALE: 1" equals 400'

FIGURE: 1-1